

ABSTRACT

An object of the present invention is to provide a composition excellent in various flocculation performances for various sludge and papermaking systems, especially excellent as a polymer flocculant, and provide a sludge-dewatering agent excellent in dewatering performances for various sludge, especially excellent in flocculationability, as well as a retention aid which can realize a high retention and ensure excellent formation of paper and which is easy to use.

A composition is provided, which comprises two or more amphoteric water-soluble polymers in combination shown below, the polymers being obtained by polymerizing a cationic radical-polymerizable monomer and an anionic radical-polymerizable monomer in a presence of a polysaccharide.

1. A combination of a polymer satisfying the molar ratio of the cationic radical-polymerizable monomer to the anionic radical-polymerizable monomer (hereinafter referred to as Ca/An) of $Ca/An \geq 1$, and a polymer satisfying $Ca/An < 1$, or
2. a combination of two kinds of polymers satisfying $Ca/An \geq 1$.